

## Challenge

Fort Campbell exists to provide trained, combat-ready units and forces to the nation. How can Fort Campbell ensure that installation lands and infrastructure will support training and combat readiness and sustain the natural resources upon which it depends?

## Fort Campbell 25-Year Goals for Training Support

Given this challenge, attendees of the Fort Campbell Installation Sustainability Workshop, which convened on 9-11 September 03, developed the following long-range goals:

**Final Goal #1:** Optimize use of existing installation training lands and ranges to support the mission.

Final Goal #2: Obtain contiguous and noncontiguous lands and airspace for unrestricted ground and air maneuver use.

The primary issues and goals discussed in the Training Support working group are described below. This information will be helpful in developing the short-term objectives and five-year plans needed to reach the long-range goals.

# **Breakout Group Membership**

**Facilitator:** Rick Sinclair **Recorder:** Cynthia Trout

| Name             | Organization                                |
|------------------|---|
| Linda Alderdice  | Fort Campbell, PWBC, Environmental Div      |
| Tim Alexander    | USAEC                                       |
| Dale Andrews     | 101st Airborne Div (3/320 FA)               |
| Matt Andrews     | USAEC                                       |
| Michael Bustos   | 101st Airborne Div (101 AVN BDE)            |
| Stuart Cannon    | SERO  |
| Sally Castleman  | Fort Campbell, PWBC, Master Planner         |
| Chris Collins    | 101st Airborne Div, G3/DPTM, Co-Team Leader |
| Richard Davis    | Fort Campbell, PWBC, Environmental Div      |
| Dick Gebhart     | CERL  |
| Antonia Giardina | OASA (ALT), ESO                             |
| John Gunderson   | Fort Campbell, OSJA                         |
| Jon Hallock      | Fort Campbell, RBC, Campbell Army Airfield  |



| Mike Hargrave  | CERL                                   |  |
|----------------|--|--|
| Greg Hileman   | US Geological Survey                   |  |
| Jeff Jones     | Fort Campbell, PWBC, Co-Team Leader    |  |
| Bob Lacey      | CERL                                   |  |
| Vicki Loyall   | Fort Knox Env. Mgmt. Division          |  |
| Tad McCall     | AEPI                                   |  |
| Garret Messner | 160th SORRCA                           |  |
| C.J. Percle    | 101st Airborne Div, G3/DPTM            |  |
| Timothy Piero  | Kentucky Pollution Prevention Center   |  |
| Ted Reid       | FORSCOM, G3/5/7                        |  |
| Bill Russell   | USACHPPM                               |  |
| Larry Schwartz | CDM, Inc                               |  |
| John Sturtz    | US Military Academy                    |  |
| Joe Whitfill   | Fort Campbell, PWBC, Environmental Div |  |
| Bill Woodson   | ACSIM-ODEP                             |  |
| Helen Zachery  | Fort Campbell, PPTO                    |  |

# **List of Issues and Potential Responses to Issues**

### Land Availability

- There is a training land deficit; Fort Campbell needs to identify property available for purchase as training lands.
- There is not enough training land to support training both on and off post.
- Local growth poses problems for the large amount of landmass needed for training.
- Increase training areas by changing existing use or buying more land.
- There is a lack of non-contiguous lands to support the training asymmetric boundaries.
- Currently weapons systems are developed without taking into account the requirement of land use.
- Land availability is impacted by encroachment, basic training requirements, and configuration.
- Fort Campbell needs more area off base to train and maneuver.
- There are limited available and unencumbered lands for training.
- Unrealistic training events do not create the realism required in real life situations.
- Fort Campbell needs to be more effective utilizing land outside the installation to expand the training base.
- There is a lack of off-post, low-level training routes for aviation training.

#### Land Use

- The installation is not shaped to support training. Natural resources and capability to support training is not available.
- Fort Campbell has insufficient land for training.



- Training area land use/infrastructure in training areas are not laid out to support the training mission.
- Training area/land use/vegetative cover are not "engineered" to optimize training activities.
- Fort Campbell needs to know the distribution of cultural and natural resources around the installation, and work with trainers to develop good areas to train.
- There needs to be clear articulation of future training requirements to shaping the training lands prior to fielding weapons systems.
- There needs to be articulation from the field to weapons systems developer on what the installation is capable of handling.
- Off-installation land use is hard to influence.
- Fort Campbell needs to make more land inside the installation available to training.
- Although there is a Range Development Plan, there is no Master Plan for Training Land Management.
- There is a lack of communication about military activities on post.
- There is a lack of communication among decision centers on Fort Campbell.

#### **UXO**

- Impact areas only grow. Training areas cannot be scheduled for training due to unexploded ordnance.
- Fort Campbell needs to limit impact areas to increase training areas. The areas are restricted due to UXO; Fort Campbell needs to clear those to increase training areas.
- Range residue impacts water quality.

#### Noise

- Noise constraints limit air space, and Fort Campbell needs to be able to extend routes to go off the installation.
- Noise impacts off-post airspace.
- The installation needs to stop linking training and flying restrictions due to noise complaints.

### **Urban Sprawl**

- Fort Campbell needs to control land use; the installation needs to be more effective utilizing land outside the installation to expand the training base.
- There is encroachment due to growth/urbanization.
- Encroachment restricts training due to noise, light, etc.
- Improvement of roads improves quality of life but leads to encroachment.
- Urban growth and encroachment impact training.
- There is incompatible off-post land use.
- There is a lack of land use control off post.
- There needs to be zoning outside of Fort Campbell to prevent encroachment.
- Given local growth and the large amount of land needed, Fort Campbell needs to downscale the scope of training.
- There is encroachment on airfields.

 Housing developments move into impact areas and then complain about noise and damage to the houses' foundations.

#### Habitat

• Threatened and endangered species constrain training.

#### Erosion and Sedimentation

- Water resources will shape the future. The installation impacts the quality of water in the community.
- The perception of water quality can shut down training fast.
- Erosion/sediment from training areas impact water resources, thereby impacting the surrounding communities. Aesthetics and chemistry are associated with this impact.
- Erosion control and sediments affect water quality.
- Water quality and stream habitat impacts on post can lead to off-post impacts.
- Fort Campbell needs to maintain the viability/quality of the land. The installation does not maintain soils before they degrade beyond a point to sustain training.

### Funding and Policy

- Funding impacts training. Fort Campbell pays fines; the installation needs to find and fix environmental issues to put money back into training.
- There are cumulative impacts of repetitive training (funding issues).
- Environmental funding shortfalls and environmental policy deter natural resource management in support of the mission.

### Planning and Communication

- There is no forum for surrounding communities to address issues and develop a win/win situation for both.
- Public communication is a problem.
- Fort Campbell needs to do a better job of articulating problems with land available for training.
- There needs to be better management of constraints, and better integration and communication.
- There needs to be clear articulation of future training requirements.
- Fort Campbell has not communicated training requirements, standards of identified conditions, nor amount of land needed.



## **Initial Goals and Proponents Developed**

### Initial Strategic Goal 1

- ?? **Goal**: Maximize use of training lands and ranges inside the boundary.
- ?? **Issue**: Need for Training Area Master Plan for training lands to address current and projected training areas and range requirements
- ?? **Desired End State**: Forest and open fields reflect Master Plan requirement; everybody works together towards a unified vision
- ?? **Metrics**: By 2005
  - o Integrate Training Area Master Plan into the RDP and the INRMP
  - o Integrate all plans into the Installation Strategic Plan
  - o All funding requirements identified and submitted for successive POM
- ?? **Timeframe**: Implemented by 2015
- ?? **Proponent Organization**: G3/DPTM (PWBC and supporting Offices)

### Initial Strategic Goal 2

- ?? **Goal**: Obtain contiguous and noncontiguous lands and airspace for unrestricted ground and air maneuver use.
- ?? **Issue**: Insufficient maneuver lands (167K acres shortage); insufficient air maneuver space (out to 150km)
- ?? **Desired End State**: Sufficient contiguous and noncontiguous land and airspace to meet RDP and doctrinal training requirements; realistic/doctrinal air corridors (surface to 500 ft AGL)
- ?? **Metrics**: 100% conformance to TC 25-8 and doctrinal manuals
- ?? **Timeframe**: 2029
- ?? **Proponent Organization**: DPW/G3/RBC/tenant units/other installations/other Federal and State land owners/FAA

### Initial Strategic Goal 3

- ?? Goal: Establish a four county land compatibility buffer zone.
- ?? **Issue**: Encroachment, ambient light, noise pollution, obstructions, green/open space, density of population, electronic interference, air quality non-attainment area
- ?? **Desired End State**: Compatible land use around the installation
- ?? **Metrics**: Community acceptance and buy in to establish utilization districts or land use overlays in all four counties
- ?? **Timeframe**: 2004-2007
- ?? Proponent Organization: Command Group, IMA, JLUS

### Initial Strategic Goal 4

- ?? Goal: Reclaim non-dudded impact area (minimal unexploded ordnance).
- ?? **Issue**: Non-dudded land reduces maneuver capacity
- ?? **Desired End State**: Reduce approximately 4000 acres of non-dudded impact area
- ?? Metrics: 4000 acres certified safe
- ?? Timeframe: NLT 2029
- ?? **Proponent Organization**: G3/DPTM

### Initial Strategic Goal 5

- ?? Goal: Eliminate erosion due to land use and management practices that contribute to water quality impacts.
- ?? **Issue**: Water quality/sedimentation
- ?? Desired End State: No training "constraints" due to water quality impacts
- ?? **Metrics**: Meet NRCS standards for acceptable soil loss (2 tons/acre/year)
- ?? **Timeframe**: By 2013
- ?? Proponent Organization: DPW

## Initial Strategic Goal 6

- ?? Goal: Secure funding to support training including, but not limited to, natural resources, facilities and infrastructure, and state-of-the-art war fighter facilities from traditional and non-traditional sources.
- ?? Issue: Inadequate funding
- ?? **Desired End State**: Funding meets needs
- ?? **Metrics**: Received/needed = % achieved
- ?? **Timeframe**: 2013
- ?? Proponent Organization: G3/PPTO/PWBC

### **Final Goals and Team Members**

# **Final Training Support Goal #1**

## Optimize use of existing installation training lands and ranges to support the mission.

- **Issue**: Finite land resources, inefficient land and range utilization and planning, environmental constraints, and disproportionate impact areas constrain training
- **Desired End State**: Training land, airspace, and range resources meet current and future training needs while sustaining natural and cultural resources
- **Metrics**: Many metrics, for example: number of acres available for multiple purpose training; contamination identified/restored to compliance background levels; acreage recovered/restored to multipurpose use

• **Timeframe**: 2029

• **Proponent Organization**: G3/DPTM

• Team Members:

| Team Member                         | Role                                 |
|-------------------------------------|--------------------------------------|
| G3/DPTM                             | Process Owner, Identify Requirements |
| COE                                 | Support                              |
| FAA/RBC                             | Airspace                             |
| 4 County Planning Commission/JLUS   | Executors                            |
| Universities                        | R&D, GIS                             |
| Public Works                        | Environmental Compliance, Master     |
|                                     | Planning, Leases                     |
| Federal and State Regulators        | Partners                             |
| SJA                                 | Legal Advice                         |
| Non Government Organizations        | Partners                             |
| Other Federal Agencies (AEC, CHPPM, | Partners and Funding                 |
| etc)                                |                                      |
| DOIM                                | Infrastructure Support               |
| IMA                                 | Funding                              |
| CABC                                | Support                              |



# **Final Training Support Goal #2**

Obtain contiguous and noncontiguous lands and airspace for unrestricted ground and air maneuver use.

- **Issue**: Insufficient maneuver lands (167K acres shortage); insufficient air maneuver space (out to 150km)
- **Desired End State**: Sufficient contiguous and noncontiguous land and airspace to meet RDP and doctrinal training requirements; realistic/doctrinal air corridors (surface to 500 ft AGL)
- Metrics: 100% conformance to TC 25-8 and doctrinal manuals

• **Timeframe**: 2029

• **Proponent Organization**: G3/DPTM

• Team Members:

| Team Member                              | Role                                 |
|--|--------------------------------------|
| G3                                       | Process Owner, Identify Requirements |
| COE                                      | Support                              |
| FAA/RBC                                  | Airspace                             |
| Other Federal and State Land Owners      | Land Owners                          |
| Private Land Owners                      | Partners                             |
| 4 County Planning Commission/JLUS        | Executors                            |
| Other Military Installations (Fort Knox) | Land Use                             |
| Public Works                             | Environmental Compliance, Master     |
|  | Planning, Leases                     |
| Federal and State Regulators             | Partners                             |
| SJA                                      | Legal Advice                         |
| Universities                             | R&D, GIS                             |
| Non Government Organizations             | Partners                             |
| Other Federal Agencies (AEC, CHPPM,      | Partners and Funding                 |
| etc)                                     |                                      |